

Impermeable Thin Al₂O₃ Overlay for TBC Protection for Sulfate and Vanadate Attack in High Temperature Gas Turbines

Project Lead


University of Pittsburgh
Pittsburgh, PA

Description

The project addresses the issue of hot corrosion of turbine blades which is critical in industrial engines owing to the greater variety of fuels utilized, many of which contain sulfur, alkali metals and/or vanadium. Coatings to resist corrosion will be developed.

Duration: 6/13/01 - 8/31/04

Product Support Areas

Gasification Technologies	Combustion Technologies	Sequestration	Environmental & Water Resources	Advanced Turbine & Engines	Fuel Cells
					



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